

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**PATENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Attorney Docket No. L-122600**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Agere Systems Inc.Application No./Patent No.: 09/781,820 Filed/Issued Date: 02/12/2001Entitled: Methods of Fabricating a Membrane with Improved Mechanical Integrity

Agere Systems Inc. Corporation  
(Name of Assignee) (Type of Assignee: corporation, partnership, university, government agency, etc.)

States that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest.  
(The extent (by, percentage) of its ownership interest is \_\_\_\_\_%)

In the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or a true copy of the original assignment is attached

**OR**

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:
1. From: Inventor(s) To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 011595, Frame 0269, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Respectfully submitted,

Date: 12/14/2007  
Customer No. 46900  
Mendelsohn & Associates, P.C.  
1500 John F. Kennedy Blvd., Suite 405  
Philadelphia, Pennsylvania 19102

/Kevin M. Drucker/  
Kevin M. Drucker  
Registration No. 47,537  
Attorney for Assignee  
(215) 557-6659

IDS No.	Inventors	Subject Matter
Barber 20-17-1-2-58	Bradley P Barber, BL01111330; Peter L Gammel, BL01111330; Juan A Herbesommer, BL01111330; Hugo F Safar, BL01111330; Yiu-Huen Wong, BL01111770	System And Method For Determining And/Or Improving High Power Reliability In Thin Film Resonator Devices
Barber 21-11-4-4	Barber, Bradley Paul, BL01111330; Fetter, Linus Albert, BL01111330; Huggins, Harold Alexis, BL01131F0; Miller, Ronald Eugene, BL01111330	Fabrication Of TFR Membranes With Improved Mechanical Integrity
Barrese 1-1-1-2	Michael A Barrese, 5388CR300; Brad L Grande, 5388CR300; Vernon G Koll, 5388CR300; Eugene J Yurek, BL0314600	Line Powered Modem
Batrani 1	Batrani, Roy George	Next Canceller
Batrani 2	Batrani, Roy George	Send-Rate Timing Recovery
Baumhauer 15-11-8-43	Baumhauer, John Charles BL0314200; Marcus, Larry Allen BL0314200; Varvaro, Charles JW45D7000; West, James Edward BL0113320	Noise Cancelling Microphone For Cellular Phones
Beneasy 10-6	Jacob Beneasy, BL0113320; Tomas F Gaensler, BL0113320	A Robust Signal Regressor PNLMAS Algorithm For Network Echo Cancellation
Beneasy 11-9	Jacob Beneasy, BL0113320; Steven L Gay, BL0113320	An Improved PNLMAS Algorithm For Echo Cancellation
Benson 1	Benson, Richard Clive	Memory Addressing
Beranbaum 11	Beranbaum, Alan David, BL0112710	Automatic Quality of Service Assignment In Ethernet Switches
Berthoud 19-5-17	Charles W Berthoud, 538812000; Mohd M Hobbi, 538814000; Lakshmi N Jampnanaboyana, 538814000	Control Help
Berthoud 20-6	Charles W Berthoud, 538812000; Mohd M Hobbi, 538814000	Telephony Access Using An Email Address
Berthoud 21-12-24-9-7-18	Berthoud, Charles William 538812000; Davis, Paul Joseph 538870000; Grundvig, Jeffrey Paul 538813000; Gupta, Arupratan 538810000; Hobbi, Mohd Majed 538814000; Jampnanaboyana, Lakshmi Narayana, 538814000	Cordless Phone With Database Transfer Capability
Bessios 2	Bessios, Anthony, 538498A00	Purity Check Code For Lower Complexity Decoding And Reduced Mis-correction Error Rate When Postprocessing Viterbi Algorithm Error Events
Bevens 1-1-1-2-7-18	Bevens, William Daniel 55K12K000; Bradshaw, Robert Wayne 55K12K000; Hudson, Chris Peter 55K12K000; Jones, Robert Francis 55K12K000; Lobbins, Jonathon Marlon 55K12K000; Oimer, Leonard Jay 55K12K000	New Process Method To Prevent Formation Of Yield Kicking BPO4 Dielectric Crystallites
Bhoja 2	Bhoja, Sudeep, 538498000	TCM Decoding Using Low Delay Tree Search & Local Decision Feedback

**EXECUTION COPY**

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

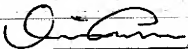
ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Oritel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

LUCENT TECHNOLOGIES INC.

By:   
Daniel P. McCurdy  
President, Intellectual Property Business

AGERE SYSTEMS GUARDIAN CORP.

By:   
Fred M. Romano  
President

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )  
 : ss:  
 COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:  
 a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and  
 b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.

Tamora Anne Hanna

Name TAMORA ANNE HANNA  
 Notary Public Notary Public of New Jersey  
 My Commission Expires ~~March 25, 2002~~ Registered in Hunterdon County  
 [Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA )  
 : ss:  
 COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:  
 a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and  
 b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.

Mary V Carter

Name  
 Notary Public  
 My Commission Expires:  
 [Notarial Seal]



# Delaware

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*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION,  
WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02



**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**Agere Systems Guardian Corp.**  
**(a Delaware corporation)**

**INTO**

**Agere Systems Inc.**  
**(a Delaware corporation)**

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), **DOES HEREBY CERTIFY:**

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By Paul Bento  
Paul Bento, Vice President